

Notic of Allowability

Application No.

09/917,127

Applicant(s)

KINSMAN ET AL.

Examiner

Art Unit

Michael Trinh

2822

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included
rewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS
NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative
the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

☒ This communication is responsive to Amendment filed on December 04, 2003.

☒ The allowed claim(s) is/are 1-4,6,11-18 and 21-25.

☒ The drawings filed on 04 December 2003 are accepted by the Examiner.

☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☐ All b) ☐ Some* c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the
International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific
reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

(a) ☐ The translation of the foreign language provisional application has been received.

☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included
in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted
below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF
INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

1) ☐ hereto or 2) ☐ to Paper No. _____.

(b) ☐ including changes required by the proposed drawing correction filed _____, which has been approved by the Examiner.

(c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of
each sheet. Replacement sheet(s) should be labeled as such in the margin according to 37 CFR 1.121(d).

☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the
attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

☐ Notice of References Cited (PTO-892)

☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No. _____

☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material

5 ☐ Notice of Informal Patent Application (PTO-152)

6 ☐ Interview Summary (PTO-413), Paper No. _____

7 ☐ Examiner's Amendment/Comment

8 ☒ Examiner's Statement of Reasons for Allowance

9 ☐ Other


Michael Trinh
Primary Examiner

Art Unit: 2822

DETAILED ACTION

*** This office action is in response to Applicant's Amendment filed on December 04, 2003 and the missing 12/4/03 remark Page 11 faxed on January 14, 2004. Claims 5,7-10,19-20, and 26-29 were canceled. Claims 1-4,6,11-18,21-25 are currently pending.

*** Restriction of claim 25 is withdrawn as it depends on claim 2 and base claim 1. Claim 25 is thus examined together with claims 1-4,6,11-18, and 21-24.

*** The drawing correction filed on December 04, 2003 has been approved by Examiner.

Allowable Subject Matter

1. Claims 1-4,6,11-18, and 21-25 are allowed.
2. The following is a statement of reasons for the indication of allowable subject matter:

Applicant's amendment and convincing remarks of record have overcome the rejections of record. The references including Uemura (6,331,450) of record, alone or in combination, do not anticipatively disclose each and every aspect of the claimed method, or fairly make a prima facie obvious case of the claimed method, in combination with other processing claimed limitations as recited in base claim 1, the inclusion of forming a pattern of mutually traverse channels in the active surface to a depth below the at least one layer of integrated circuitry, the channels circumscribing a semiconductor element location comprised of at least one individual die and exposing peripheral edges of the at least one layer of integrated circuitry; and forming a layer of encapsulant material over substantially all of the active surface and into the channels such that a surface of the layer of encapsulant material has a pattern of depressions over the channels and a portion of the at least one intermediate conductive element is exposed through and coplanar with the surface of the layer of encapsulant material.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael M. Trinh whose telephone number is (571) 272-1847. The examiner can normally be reached on M-F: 8:30 Am to 5:00 Pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amir Zarabian can be reached on (571) 272-1852. The fax phone numbers for the organization where this application proceeding is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

Oacs



Michael Trinh
Primary Examiner